TOSHIBA
Leading Innovation
STORAGE DEVICE DIVISION

MK1231GAL

1.8-inch PATA HDD

Key Advantages:

- Ultra-light
- Low power consumption lets applications work longer
- 4200 rpm Spin Speed

Applications:

- Notebooks
- Portable Storage Devices
- GPS navigations systems
- And more digital applications

Specifications:

Data Storage Capacity:	
Per drive, Formatted	120 GB
Number of Platters	1
Number of Heads	2
Bytes/ Sector	4096
Rotational Speed (rpm)	4200
Average Seek Time:	msec
Track-to-Track	3
Average	15
Maximum	26
Interface:	
Type	PATA
Buffer (MB)	8
Data Transfer Rate:	100MB/s
Power Requirements:	
Voltage (V); Supply	+3.3V (5%)
Sleep (Watts)	0.07
Standby (Watts)	0.1
Read (Watts)	0.8
Write (Watts)	0.8
Start-up (Watts)	1.8

Physical & Environmental Specifications Dimensions –mm:	
Height	5
Width	54
Depth	71.0
Weight	48 g
Ambient Temperature °C :	
Operating	5°~60°
Non-Operating	-20°~65°
Vibration and Shock:	
Operating Vibration	2.0 G with 15-500Hz
Operating Shock	600 G 2 msec
Non-Operating	1500 G 1msec
Acoustic Noise (Random Seek)	20 dBA
Reliability Characteristics:	
MTTF	300,000 hours